INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/12194

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ B01D63/04, 61/08					
According t	According to International Patent Classification (IPC) or to both national classification and IPC				
	S SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ B01D63/04, 61/08					
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Jitsı	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926–1996 Toroku Jitsuyo Shinan Koho 1994–2003 Kokai Jitsuyo Shinan Koho 1971–2003 Jitsuyo Shinan Toroku Koho 1996–2003				
	ata base consulted during the international search (name	ie of data base and, where practicable, sea	rch terms used)		
WPIL					
	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
Y	JP 58-163407 A (Nitto Electr Ltd.), 28 September, 1983 (28.09.83) Page 2, lower left column, li),	1-6		
	column, line 10; drawings (Family: none)	Life at to argin			
Y	JP 09-187626 A (NOK Kabushik	ci Kaisha).	1~6		
_	22 July, 1997 (22.07.97), Par. Nos. [0001], [0020]; Fig. 1 (Family: none)				
Y	JP 56-087405 A (Toyobo Co., Ltd.), 16 July, 1981 (16.07.81), Claims		2		
	(Family: none)		 		
-	:				
	er documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" carlier document but published on or after the international filing		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be			
specia]	reason (as specified) ent referring to an oral disclosure, use, exhibition or other	considered to involve an inventive step combined with one or more other such	when the document is		
means "P" docume	means combination being obvious to a person skilled in the art				
Date of the a	Date of the actual completion of the international search 09 December, 2003 (09.12.03) Date of mailing of the international search report 24 December, 2003 (24.12.03)				
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	EP 1310291 A1 (Asahi Kasei Kabushiki Kaisha), 05 August, 2003 (05.08.03), Par. No. [0061]; Fig. 4 & WO 02/04101 A1	6	
Α	WO 96/08306 A1 (E.I. DU PONT DE NEMOURS AND CO.), 21 March, 1996 (21.03.96), Figs. 1 to 3 & US 5470469 A & EP 781163 A1 & JP 09-511447 A	1-6	
A	JP 60-206415 A (Nippon Genshiryoku Jigyo Kabushiki Kaisha), 18 October, 1985 (18.10.85), Fig. 3 (Family: none)	1-6	
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 010162/1989(Laid-open No. 100635/1990) (Nitto Denko Corp.), 19 August, 1990 (19.08.90), Fig. 2 (Family: none)	16	